

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant's Reference: IGT1P064/P-463

In re application of: Bryan Wolf

Examiner: UNASSIGNED

Application No.: 10/006,496

COPY OF PAPERS  
ORIGINAL FILED

Filed: December 5, 2001

Title: METHOD FOR REPRESENTING A GAME  
AS A UNIQUE NUMBER

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail to: Commissioner for Patents, Washington, DC 20231 on January 14, 2002.

Signed.

Leslie Russell

**PRELIMINARY AMENDMENT**

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Before examination on its merits, please amend the above-identified patent application as follows:

**In the Specification:**

Please amend the specification by replacing the paragraph at page 6, lines 11-14 with the following new paragraph.

Figures 7A & 7B present a series of calculations performed using the algorithm of Figure 6 and 9 vary with different classes of game.

Please amend the specification by replacing the paragraph at page 18, lines 1-6 with the following new paragraph.

Figures 7A and 7B illustrate in more detail how a 5-card poker hand is converted to a number. As shown, the poker hand in question is dealt as a 3 of Hearts, a 7 of Clubs, a King of Hearts, an 8 of Diamond, and a 4 of Spades. This hand may have been dealt to the gaming machine, for example. In order to convert that hand into a unique number for autohold determination or other gaming operation, the following sequence is performed.

Please amend the specification by replacing the paragraph at page 20, lines 20-29 with the following new paragraph.

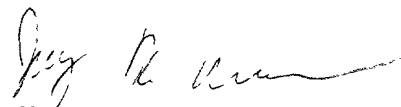
The last class of game considered in Figure 8 is the position-dependent game with replacement. Position-dependent single deck poker is one example of such game. For such games, the conversion algorithm employs a permutation function as its WaysToPlace function. As with its replacement counterpart, this algorithm also increments U all the way from a value  $U = 0$  on up to a value of  $U = T_{\text{current}} - 1$ . However, because replacement is not permitted, the algorithm excludes all symbols appearing in previous positions. Thus, considering the example presented with Figures 7A & 7B, the values of U considered at position 1 would range from 2 of Hearts up through Queen of Hearts while excluding the 3 of Hearts. The exclusion is necessary because the 3 of Hearts appears in position 0.

A marked up version of the specification showing the changes made is appended hereto. The page of the second appendix may be treated as substitute page for the paragraphs of the specification in the present application.

#### **REMARKS**

Applicant believes that all pending claims are allowable and respectfully requests a Notice of Allowance for this application from the Examiner. Should the Examiner believe that a telephone conference would expedite the prosecution of this application, the undersigned can be reached at the telephone number set out below.

Respectfully submitted,  
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[Figure 7 presents] Figures 7A & 7B present a series of calculations performed using the algorithm of Figure 6 and 9 vary with different classes of game.

[Figure 7 illustrates] Figures 7A and 7B illustrate in more detail how a 5-card poker hand is converted to a number. As shown, the poker hand in question is dealt as a 3 of Hearts, a 7 of Clubs, a King of Hearts, an 8 of Diamond, and a 4 of Spades. This hand may have been dealt to the gaming machine, for example. In order to convert that hand into a unique number for autohold determination or other gaming operation, the following sequence is performed.

The last class of game considered in Figure 8 is the position-dependent game without replacement. Position-dependent single deck poker is one example of such game. For such games, the conversion algorithm employs a permutation function as its WaysToPlace function. As with its replacement counterpart, this algorithm also increments U all the way from a value of  $U = 0$  on up to a value of  $U = T_{\text{current}} - 1$ . However, because replacement is not permitted, the algorithm excludes all symbols appearing in previous positions. Thus, considering the example presented with [Figure 7] Figures 7A & 7B, the values of U considered at position 1 would range from 2 of Hearts up through Queen of Hearts while excluding the 3 of Hearts. The exclusion is necessary because the 3 of Hearts appears in position 0.

## SUBSTITUTE SHEET OF SPECIFICATION

Figures 7A & 7B present a series of calculations performed using the algorithm of Figure 6 and 9 vary with different classes of game.

Figures 7A and 7B illustrate in more detail how a 5-card poker hand is converted to a number. As shown, the poker hand in question is dealt as a 3 of Hearts, a 7 of Clubs, a King of Hearts, an 8 of Diamond, and a 4 of Spades. This hand may have been dealt to the gaming machine, for example. In order to convert that hand into a unique number for autohold determination or other gaming operation, the following sequence is performed.

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